

ABSTRACT OF THE DISCLOSURE

A stringed musical instrument, which has a neck assembly, a body, and a plurality of strings. The neck assembly having a structure made of wood and composite materials of graphite / carbon fiber, and epoxy resins. Which is of sufficient strength and stiffness to withstand, without deformation, the entire load imposed upon the neck assembly by the tension of the strings. The neck assembly will include one structural load bearing wooden core, laminated with the composite external skin structure and epoxy resins, and will extend completely along the length of the neck assembly. The use of wood as a core structural material will enable the instrument to retain the response and tonal qualities of stringed instruments, which is common to a traditional wooden neck assembly. A fingerboard of wood is bonded to the composite external structure and a non- structural, non-load bearing two way string orbit relief adjustment mechanism is installed in the node region along the longitudinal axis of said neck assembly.

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